

MAKE A SOLAR STILL

TEEN STEAM ACTIVITY

YOU WILL NEED:

- Salt (about three tablespoons)
- Tap water
- Plastic wrap
- A large glass bowl
- A small glass jar
- A small rock (optional)

1. Fill your large glass bowl with water (slightly over halfway), then mix in a few tablespoons of salt. Stir until the salt dissolves.
2. Place the small glass jar in the center of the bowl and push it down, making sure that no salt water gets into the jar.
3. Cover the top of the bowl and jar with one large piece of plastic wrap and seal tightly.
4. Place a medium sized rock in the center on top of the Jar to weigh everything down and allow the water to fall into the Jar.
5. Place the bowl outside in sunlight for 3-4 hours. The salt water will begin to evaporate and condense onto the plastic wrap, then begin to collect inside of the small glass jar as fresh water.
6. Once you have collected a small amount of fresh water inside of the jar, taste it!



FOLLOW UP QUESTIONS:

Imagine that you were stranded in the woods by yourself. What would you use to recreate this method without having access to the supplies used at home? What could be used to help speed up the process?

Bonus Challenge: Write a short story that explores a character who gets lost in the woods. What do their surroundings look like? What types of creatures (real or imagined) would they encounter? How do they feel throughout their journey? How would they escape back to civilization (or would they)?

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